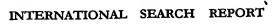
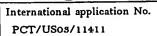
## INTERNATIONAL SEARCH REPORT

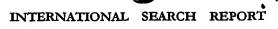
International application No.
PCT/US03/11411

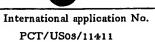
A. CLASSIFICATION OF SUBJECT MATTER						
IPC(7) :A01N 37/18; C07K 1/00; G01N 33/53 US CL : 435/7.1; 514/2; 530/350						
According t	According to International Patent Classification (IPC) or to both national classification and IPC					
	DS SEARCHED					
Minimum d	ocumentation searched (classification system followed	by classification symbols)				
U.S. : 435/7.1; 514/2; 530/850						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched						
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) STN and WEST						
C. DOCUMENTS CONSIDERED TO BE RELEVANT						
Category*	Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.			
Y	CARRAWAY ETAL, "Induction of Ferritin and Heme Oxygenase-1 by Endotoxin in the Lung", American Journal of Physiology-Lung Cellular and Molecular Physiology, volume 275, Issue 3, pages L583-L592, September 1998, see entire reference.					
Y	OTTERBEIN ET AL, "Mechanism Protection against Endotoxemia in R Pathway", American Journal of Phy Molecular Physiology, Volume 272, 1997, see the entire document.	ats: A Ferritin-independent ysiology-Lung Cellular and	1-20, 36-39			
X Further documents are listed in the continuation of Box C. See patent family annex.						
Special categories of cited donuments:    Special categories of cited donuments:						
"A" document defining the general state of the art which is not considered the principle or theory underlying the invention						
to be of particular relevance  "K"  document of particular relevance; the claimed invention cannot be onsidered novel or cannot be considered to involve an inventive step						
document which may throw doubts on priority claim(s) or which is when the document is taken alone cited to establish the publication date of another claim or other provided to establish the publication date of another claim or other provided to establish the publication date of the publication of particular relevance; the claimed invention cannot be						
"O" do	document referring to an oral disclosure, use, exhibition or other  with one or more other such documents, such combination being obvious to a person skilled in the art					
	"P" document published prior to the international filing date but later "&" document member of the same patent family than the priority date claimed					
Date of the actual completion of the international search  14 JULY 2003  Date of mailing of the international search report  12 AUG 2003						
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231  Authorized officer HOPE ROBINSON			exo you			
		Telephone No. (703) 308-0196				





	tion). DOCUMENTS CONSIDERED TO BE RELEVANT	Polouent to alaim No	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
<b>X,P</b>	Dabase Biosis, Biological Abstracts Inc., (USA), No. 2002:628846, "Heme Oxygenase-1 Systin In Organ Transplantation", Abstract, Katori et al, October 2002.		
Y	Dabase Medline, US National Library of Medicine (Bethesda, MD, USA), No. 2001676797, "Adenovirus-mediated Heme Oxygenase-1 Gene Delivery Inhibits Injury-induced Vascular Neointima Formation", Abstract, Tulis et al., November 2001.		
Y,P	Dabase Medline, US National Library of Medicine (Bethesda, MD, USA), No. 2002393530, "Effects of Normobari Hyperoxia in a Rat Model of Focal Cerebral Ischemia-Reperfusion", Abstract, Singhal et al., July 2002.	36-39	
	CT4200 MARLE - APPROXIMENTS		
1		I	





Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)			
This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:			
ı. [		Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:	
<sup>2</sup> . [		Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:	
з. [	X	Claims Nos.: 40 and 41 because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).	
Box	11 (	Observations where unity of invention is lacking (Continuation of item 2 of first sheet)	
This	Inte	rnational Searching Authority found multiple inventions in this international application, as follows:	
1. [		As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.	
2.		As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.	
s. [		As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:	
4. [		No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:	
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.			